GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA

UNSTARRED QUESTION NO:2106
ANSWERED ON:08.08.2005
SCARCITY OF WATER
Agarwal Shri Dhirendra;Mahato Shri Sunil Kumar;Renge Patil Shri Tukaram Ganpatrao

Will the Minister of WATER RESOURCES be pleased to state:

(a) whether any intensive survey has been conducted in the country particularly in districts of Jharkhand and Maharashtra to ascertain the reasons of falling water level;

(b) if so, the details thereof district-wise and State- wise;

(c) whether any action plan has been formulated to tackle the problem of scarcity of sources of water for irrigation; and

(d) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAI PRAKASH NARAYAN YADAV)

(a)&(b) A long-term analysis of ground water levels by Central Ground Water Board (CGWB), under the Ministry of Water Resources, during the years 1995-2004, indicates decline in ground water levels in some parts of districts of various States including the States of Jharkhand and Maharashtra of the country. The names of these States/districts having pockets of declining water level in the last 10 years (1995-2004) are given in Annexure. The main reasons for decline in ground water level are rapid pace of urbanization, increasing demand for agricultural, industrial and domestic purposes, change in cropping pattern, excessive withdrawals of ground water, poor rainfall etc.

(c)&(d) 'Water' being a State subject, it is primarily the responsibility of the concerned State Governments to formulate plans for augmenting water resources. The CGWB has prepared a report entitled "Master Plan for Artificial Recharge to Ground Water", which envisages recharge of 36453 Million Cubic Meter volume of surplus monsoon runoff, through construction of 39.25 lakhs artificial recharge and roof top rain water harvesting structures. The CGWB has implemented a Central Sector Scheme for Study of Recharge to Ground Water in the country during the VIII & IX Five Year Plans. The CGWB has also proposed a Scheme at an estimated cost of Rs. 175 crores for Artificial Recharge to Ground Water and Rainwater Harvesting during the remaining period of the X Five Year Plan.

In addition to the above, following steps have also been taken:-

(i) Circulation of a Model Bill in the year 1970 which was re-circulated in 1992 and again in 1996 to all the States/Union Territories to enable them to enact suitable legislation for regulation and control of ground water development. A revised Model Bill, 2005 to regulate and control the development and management of ground water has been again circulated to all the States/Union Territories.

(ii) Circulation of Manual/Guidelines on Artificial Recharge of Ground Water to the States/Union Territories to enable them to formulate area specific artificial recharge schemes to check the declining trend of ground water levels.

(iii) The Central Ground Water Authority (CGWA) constituted under the Environment (Protection) Act, 1986 has notified 11 critical areas on consideration of over- exploitation of ground water resources and 32 over-exploited areas for registration of ground water structures.

(iv) Water conservation campaign has been launched keeping in view the various target groups like youth and children, women, farmers and villagers, policy and opinion makers. Publicity through print media, telecasting of spots on the television, broadcasting messages on radio, holding of seminars, workshops, conferences etc., have been undertaken for the purpose.

ANNEXURE

(REFERENCE LOK SABHA UNSTARRED QUESTION NO. 2106 DATED 08.08.2005)

Name of Districts showing fall of water level (in parts) in last 10 years (1995-2004) during Pre-Monsoon period

Sl. No.	State/ Union	Districts showing declining trends (more than 20 cm per year)

		Territory
1	Andhra Pradesh	Adilabad, Anantapur, Chittoor, Cuddapah, East Godavari, Guntur, Hyderabad, Karimnagar, Khammam, Krishna, Kurnool, Mahbubnagar, Medak, Nalgonda, Nellore, Nizamabad, Prakasam, Ranga Reddy, Srikakulam, Visakhapatnam, Vizianagaram, Warangal, West Godavari
2	Assam	Jorhat, Nagaon, Sonitpur
3	Bihar	Bhagalpur, East Champaran, Munger, Muzaffarpur, Navada, Saharsa, Saran,
4	Chhattisgarh	Bastar, Bilaspur, Dhamtari, Durg, Janjgir-champa, Kanker, Kawardah, Koriya, Mahasamund, Raigarh, Raipur, Rajnandgaon, Surguja
5	Delhi	New Delhi, North West, South, South West,
6	Gujarat	Ahmedabad, Amreli, Banashkantha, Bharuch, Bhavnagar, Dangs, Gandhinagar, Jamnagar, Junagarh, Kheda, Kutch, Mehsana, Panchmahal, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara, Valsad
7	Haryana	Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendragarh, Panipat, Rewari, Rohtak, Sirsa, Sonipat
8	Himachal Pradesh	Kangra, Kullu, Mandi, Sirmur, Solan, Una
9	Jharkhand	Dhanbad, Dumka, Hazaribagh, Lohardaga, Pacchim Singhbhum, Palamu, Purvi Singhbhum, Ranchi
10	Jammu & Kashmir	Jammu, Kathua, Rajouri, Udhampur
11	Karnataka	Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chamrajnagar, Chikmagalur, Chitradurga, Coorg, Dakshin Kannada, Dharwad, Gadag, Gulbarga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Shimoga, Tumkur, Uddupi, Uttar Kannada
12	Kerala	Idduki, Kanoor, Kasargod, Kollam, Kottayam, Mallapuram, Palakkad, Thiruvananthapuram, Thrissur, Wayanad
13	Madhya Pradesh	Barwani, Balaghat, Betul, Bhind, Bhopal, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindhori, Guna, Gwalior, Harda, Hoshangabad, Indore, Jabalpur, Jhabua, Katni, Khandwa, Mandsaur, Morena, Mandla, Narsinghpur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria, Vidisha, West Nimar
14	Maharashtra	Ahmadnagar, Akola, Amravati, Aurangabad, Beed, Bhandara, Buldana, Chandrapur, Dhule, Gadchiroli, Gondia, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nanded, Nandurbar, Nashik, Osmanabad, Parbhani, Pune, Raigad, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Thane, Wardha, Washim,Yavatmal
15	Orissa	Angul, Baleshwar, Bargarh, Cuttack, Dhenkanal, Ganjam, Jajpur, Jharsuguda, Kalahandi, Koraput, Kendujhaar, Mayurbhanj, Nawapara, Phulbani, Puri, Rayagada, Sambalpur, Sundargarh
16	Punjab	Amritsar, Bhatinda, Faridkot, Fatehgarh, Ferozepur, Gurdaspur, Hoshiarpur, Jalandhar, Karpurthala, Ludhiana, Mansa, Moga, Nawashahar, Patiala, Ropar, Sangrur
17	Rajasthan	Ajmer, Alwar, Banswara, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittorgarh, Churu, Dausa, Dholpur, Dungarpur, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalwar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Rajsamand, Sawaimadhopur, Sikar, Sirohi, Tonk, Udaipur

18	Tamil Nadu	Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karaikal, Karur, Madurai, Namakkal, Nilgiri, Perambalur, Ramanathapuram, Salem, Sivaganga, Thanjavur, Theni, Tiruchirappalli, Tirunelveli, Thiruvallur, Tiruvannamalai, Tuticorin, Vellore, Vellupuram, Virudhanagar
19	Uttar Pradesh	Agra, Aligarh, Allahabad, Auraiya, Azamgarh, Badaun, Baghpat, Ballia, Bijnor, Chandauli, Chitrakoot, Deoria, Etawah, Fatehpur, Gautam Budh Nagar, Ghaziabad, Gonda, Hamirpur, Hathras, Jalaun, Jhansi, Kanpur Dehat, kanpur Nagar, Lakhimpur Kheri, Lalitpur, Lucknow, Mahoba, Mathura, Meerut, Mirzapur, Pratapgarh, Saharanpur, Sitapur, Sultanpur, Unnao
20	Uttaranchal	Dehradun, Haridwar
21	West Bengal	Bankura, Bardhaman, Birbhum, Haora, Hugli, East Medinipur, Malda, Murshidabad, Puruliya, South Twenty four Parganas, West Medinipur
22	Dadra & Nagar Haveli	Dadra & Nagar Haveli
23	Pondicherry	Pondicherry

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